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|--|---|---|---------------|--------------------------------------|-------------|--------------------|--------------|-------------------|---------------------------------|---------------|---------------|--------------------|------------|-------------------------------|------------------|------------------|--|
| Name(s) of Risk Team Members: T. Dilgen, D. Ince, T. VanWinkle, E. Lacina, M. Anerella, J. Durnan | | | | Point Value → Parameter ↓ | | 1 | | 2 | | 3 | | 4 | | 5 | | | |
| Job Title: Linear Collider – Octupole/Sextupole, LC-012 Rev. A | | | | Frequency (B) | | ≤once/year | | ≤once/month | | ≤once/week | | ≤once/shift | | >once/shift | | | |
| Job Number or Job Identifier: JRA 30-06 | | | | | | | | | | | | | | | | | |
| Job Description: Potting and winding coils | | | | Severity (C) | | First Aid Only | | Medical Treatment | | Lost Time | | Partial Disability | | Death or Permanent Disability | | | |
| Training and Procedures List (optional): . | | | | Likelihood (D) | | Extremely Unlikely | | Unlikely | | Possible | | Probable | | Multiple | | | |
| Approved by: J. Durnan Date: 5-19-06 Rev. #: 0 | | | | | | | | | | | | | | | | | |
| Stressors (if applicable, please list all): N/A | | | | Reason for Revision (if applicable): | | | | | | Comments: | | | | | | | |
| | | | | Before Additional Controls | | | | | | | | | | After Additional Controls | | | |
| Job Step / Task | Hazard | Control(s) | Stressors Y/N | # of People A | Frequency B | Severity C | Likelihood D | Risk* AxBxCxD | Control(s) Added to Reduce Risk | Stressors Y/N | # of People A | Frequency B | Severity C | Likelihood D | Risk* AxBxCxD | % Risk Reduction | |
| Apply Kapton to tube | Trip Hazard | Housekeeping | N | 1 | 2 | 1 | 2 | 4 | | | | | | | | | |
| Move to and install in oven | Trip Hazard | Housekeeping, training | N | 2 | 2 | 1 | 2 | 8 | | | | | | | | | |
| Move to and install in oven | Getting struck by dropping or moving load | Training, 2 man job | N | 2 | 2 | 1 | 2 | 8 | | | | | | | | | |
| Cure in oven | Burn when removing from oven | Gloves, allow to cool prior to touching | N | 1 | 2 | 2 | 1 | 4 | | | | | | | | | |
| Hi potting coil | Exposure to electrical shock (1000 V @ 1mA) | Procedures, allow discharging prior to removing leads, use of PPE as per ESH Standard 1.5.0, 2-man rule safety watch. | N | 2 | 2 | 3 | 2 | 12 | | | | | | | | | |
| Mount on stand and verify true | Getting struck by dropping or moving load | Training, 2 man job | N | 2 | 3 | 1 | 2 | 12 | | | | | | | | | |
| Apply substrate | Trip Hazard | Housekeeping | N | 1 | 2 | 1 | 2 | 4 | | | | | | | | | |
| Calibration of Winder | Bump Hazard | Awareness | N | 1 | 3 | 1 | 1 | 3 | | | | | | | | | |
| Wind Coil | Pinch hazard | Computer limits, speed of rotation, lockout of computer | N | 1 | 4 | 1 | 2 | 8 | | | | | | | | | |
| Epoxy Coil | Sensitization hazard | epoxy mixed in hood, applied with mechanical ventilation, nitril gloves | N | 1 | 3 | 2 | 2 | 12 | | | | | | | | | |

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|---|------------|------------|----------|-------------|---------------|
| Further Description of Controls Added to Reduce Risk: | | | | | |
| *Risk: | 0 to 20 | 21 to 40 | 41-60 | 61 to 80 | 81 or greater |
| | Negligible | Acceptable | Moderate | Substantial | Intolerable |